

Project Name: CP2-3 Main and SB
 Description: Combined Preferred alignment
 Horizontal Alignment Name: S2 SB Track
 Description:
 Style: Default

		STATION	NORTHING	EASTING
Element: Linear				
POT ()		1130000.00	2124498.305	6341491.341
TS ()		1141984.32	2112514.508	6341379.631
Tangent Direction:	S	0^32'03" W		
Tangent Length:		11984.32		
Element: Cosine				
TS ()		1141984.32	2112514.508	6341379.631
SPI ()		1142827.54	2111671.321	6341371.771
SC ()		1143184.39	2111314.469	6341371.503
Entrance Radius:		0.00		
Exit Radius:		70008.25		
Length:		1200.07		
Angle:		0^29'28" Left		
Constant:		9165.96		
Long Tangent:		843.22		
Short Tangent:		356.85		
Long Chord:		1200.07		
Xs:		1200.06		
Ys:		3.06		
P:		0.49		
K:		600.03		
Tangent Direction:	S	0^32'03" W		
Radial Direction:	N	89^27'57" W		
Chord Direction:	S	0^23'17" W		
Radial Direction:	N	89^57'25" W		
Tangent Direction:	S	0^02'35" W		
Element: Circular				
SC ()		1143184.39	2111314.469	6341371.503
POT ()		1143934.54	2110564.317	6341370.940
CC ()			2111261.923	6411379.733
CS ()		1144684.64	2109814.324	6341386.451
Radius:		70008.25		
Delta:		1^13'40" Left		
Degree of Curvature(Arc):		0^04'55"		
Length:		1500.25		
Tangent:		750.15		
Chord:		1500.22		
Middle Ordinate:		4.02		
External:		4.02		
Tangent Direction:	S	0^02'35" W		
Radial Direction:	N	89^57'25" W		
Chord Direction:	S	0^34'15" E		
Radial Direction:	S	88^48'55" W		
Tangent Direction:	S	1^11'05" E		
Element: Cosine				
CS ()		1144684.64	2109814.324	6341386.451
SPI ()		1145041.49	2109457.548	6341393.830
ST ()		1145884.71	2108614.686	6341418.491
Entrance Radius:		70008.25		
Exit Radius:		0.00		
Length:		1200.07		
Angle:		0^29'28" Left		
Constant:		9165.96		
Long Tangent:		843.22		
Short Tangent:		356.85		
Long Chord:		1200.07		
Xs:		1200.06		
Ys:		3.06		
P:		0.49		
K:		600.03		
Tangent Direction:	S	1^11'05" E		
Radial Direction:	S	88^48'55" W		
Chord Direction:	S	1^31'48" E		
Radial Direction:	S	88^19'27" W		
Tangent Direction:	S	1^40'33" E		
Element: Linear				
ST ()		1145884.71	2108614.686	6341418.491
TS ()		1149534.60	2104966.351	6341525.235

Tangent Direction:	S	1^40'33" E		
Tangent Length:		3649.90		

Element: Cosine

TS (	)	1149534.60	2104966.351	6341525.235
SPI (	)	1150588.68	2103912.729	6341556.062
SC (	)	1151034.74	2103467.110	6341576.537
Entrance Radius:		0.00		
Exit Radius:		45008.25		
Length:		1500.14		
Angle:		0^57'17" Left		
Constant:		8216.97		
Long Tangent:		1054.07		
Short Tangent:		446.09		
Long Chord:		1500.12		
Xs:		1500.10		
Ys:		7.43		
P:		1.18		
K:		750.07		
Tangent Direction:	S	1^40'33" E		
Radial Direction:	S	88^19'27" W		
Chord Direction:	S	1^57'35" E		
Radial Direction:	S	87^22'09" W		
Tangent Direction:	S	2^37'51" E		

Element: Circular

SC (	)	1151034.74	2103467.110	6341576.537
POT (	)	1153720.27	2100784.411	6341699.800
CC (	)		2105532.942	6386537.352
CS (	)	1156399.44	2098135.403	6342141.193
Radius:		45008.25		
Delta:		6^49'45" Left		
Degree of Curvature(Arc):		0^07'38"		
Length:		5364.70		
Tangent:		2685.53		
Chord:		5361.52		
Middle Ordinate:		79.91		
External:		80.05		
Tangent Direction:	S	2^37'51" E		
Radial Direction:	S	87^22'09" W		
Chord Direction:	S	6^02'43" E		
Radial Direction:	S	80^32'24" W		
Tangent Direction:	S	9^27'36" E		

Element: Cosine

CS (	)	1156399.44	2098135.403	6342141.193
SPI (	)	1156845.53	2097695.381	6342214.512
ST (	)	1157899.58	2096658.675	6342405.061
Entrance Radius:		45008.25		
Exit Radius:		0.00		
Length:		1500.14		
Angle:		0^57'17" Left		
Constant:		8216.97		
Long Tangent:		1054.07		
Short Tangent:		446.09		
Long Chord:		1500.12		
Xs:		1500.10		
Ys:		7.43		
P:		1.18		
K:		750.07		
Tangent Direction:	S	9^27'36" E		
Radial Direction:	S	80^32'24" W		
Chord Direction:	S	10^07'51" E		
Radial Direction:	S	79^35'06" W		
Tangent Direction:	S	10^24'54" E		

Element: Linear

ST (	)	1157899.58	2096658.675	6342405.061
TS (	)	1162739.39	2091898.602	6343279.976
Tangent Direction:	S	10^24'54" E		
Tangent Length:		4839.81		

Element: Cosine

TS (	)	1162739.39	2091898.602	6343279.976
SPI (	)	1163793.46	2090861.896	6343470.525
SC (	)	1164239.52	2090424.561	6343558.467
Entrance Radius:		0.00		
Exit Radius:		45008.25		
Length:		1500.14		

Angle:	0^57'17"	Left		
Constant:	8216.97			
Long Tangent:	1054.07			
Short Tangent:	446.09			
Long Chord:	1500.12			
Xs:	1500.10			
Ys:	7.43			
P:	1.18			
K:	750.07			
Tangent Direction:	S 10^24'54"	E		
Radial Direction:	S 79^35'06"	W		
Chord Direction:	S 10^41'56"	E		
Radial Direction:	S 78^37'49"	W		
Tangent Direction:	S 11^22'11"	E		

Element: Circular

SC ()	1164239.52	2090424.561	6343558.467
POT ()	1165921.97	2088775.131	6343890.143
CC ()		2099297.454	6387683.452
CS ()	1167602.85	2087155.066	6344344.036
Radius:	45008.25		
Delta:	4^16'54"	Left	
Degree of Curvature(Arc):	0^07'38"		
Length:	3363.33		
Tangent:	1682.45		
Chord:	3362.55		
Middle Ordinate:	31.41		
External:	31.43		
Tangent Direction:	S 11^22'11"	E	
Radial Direction:	S 78^37'49"	W	
Chord Direction:	S 13^30'38"	E	
Radial Direction:	S 74^20'55"	W	
Tangent Direction:	S 15^39'05"	E	

Element: Cosine

CS ()	1167602.85	2087155.066	6344344.036
SPI ()	1168048.94	2086725.517	6344464.383
ST ()	1169102.99	2085715.408	6344765.627
Entrance Radius:	45008.25		
Exit Radius:	0.00		
Length:	1500.14		
Angle:	0^57'17"	Left	
Constant:	8216.97		
Long Tangent:	1054.07		
Short Tangent:	446.09		
Long Chord:	1500.12		
Xs:	1500.10		
Ys:	7.43		
P:	1.18		
K:	750.07		
Tangent Direction:	S 15^39'05"	E	
Radial Direction:	S 74^20'55"	W	
Chord Direction:	S 16^19'20"	E	
Radial Direction:	S 73^23'38"	W	
Tangent Direction:	S 16^36'22"	E	

Element: Linear

ST ()	1169102.99	2085715.408	6344765.627
TS ()	1172530.27	2082431.070	6345745.111
Tangent Direction:	S 16^36'22"	E	
Tangent Length:	3427.28		

Element: Cosine

TS ()	1172530.27	2082431.070	6345745.111
SPI ()	1173373.50	2081623.016	6345986.096
SC ()	1173730.34	2081281.933	6346091.008
Entrance Radius:	0.00		
Exit Radius:	70008.25		
Length:	1200.07		
Angle:	0^29'28"	Left	
Constant:	9165.96		
Long Tangent:	843.22		
Short Tangent:	356.85		
Long Chord:	1200.07		
Xs:	1200.06		
Ys:	3.06		
P:	0.49		
K:	600.03		
Tangent Direction:	S 16^36'22"	E	

Radial Direction:	S 73^23'38" W			
Chord Direction:	S 16^45'08" E			
Radial Direction:	S 72^54'10" W			
Tangent Direction:	S 17^05'50" E			
Element: Circular				
SC ()	1173730.34	2081281.933	6346091.008	
POT ()	1174473.47	2080571.650	6346309.482	
CC ()		2101863.886	6413005.419	
CS ()	1175216.54	2079866.163	6346542.984	
Radius:	70008.25			
Delta:	1^12'59" Left			
Degree of Curvature(Arc):	0^04'55"			
Length:	1486.19			
Tangent:	743.12			
Chord:	1486.17			
Middle Ordinate:	3.94			
External:	3.94			
Tangent Direction:	S 17^05'50" E			
Radial Direction:	S 72^54'10" W			
Chord Direction:	S 17^42'19" E			
Radial Direction:	S 71^41'11" W			
Tangent Direction:	S 18^18'49" E			
Element: Cosine				
CS ()	1175216.54	2079866.163	6346542.984	
SPI ()	1175573.39	2079527.385	6346655.112	
ST ()	1176416.61	2078729.170	6346926.918	
Entrance Radius:	70008.25			
Exit Radius:	0.00			
Length:	1200.07			
Angle:	0^29'28" Left			
Constant:	9165.96			
Long Tangent:	843.22			
Short Tangent:	356.85			
Long Chord:	1200.07			
Xs:	1200.06			
Ys:	3.06			
P:	0.49			
K:	600.03			
Tangent Direction:	S 18^18'49" E			
Radial Direction:	S 71^41'11" W			
Chord Direction:	S 18^39'31" E			
Radial Direction:	S 71^11'44" W			
Tangent Direction:	S 18^48'16" E			
Element: Linear				
ST ()	1176416.61	2078729.170	6346926.918	
TS ()	1180200.40	2075147.338	6348146.592	
Tangent Direction:	S 18^48'16" E			
Tangent Length:	3783.80			
Element: Cosine				
TS ()	1180200.40	2075147.338	6348146.592	
SPI ()	1181605.96	2073816.805	6348599.661	
SC ()	1182200.69	2073260.636	6348810.708	
Entrance Radius:	0.00			
Exit Radius:	29008.25			
Length:	2000.28			
Angle:	1^58'32" Left			
Constant:	7617.40			
Long Tangent:	1405.56			
Short Tangent:	594.87			
Long Chord:	2000.17			
Xs:	2000.07			
Ys:	20.51			
P:	3.27			
K:	1000.12			
Tangent Direction:	S 18^48'16" E			
Radial Direction:	S 71^11'44" W			
Chord Direction:	S 19^23'31" E			
Radial Direction:	S 69^13'12" W			
Tangent Direction:	S 20^46'48" E			
Element: Circular				
SC ()	1182200.69	2073260.636	6348810.708	
POT ()	1192106.62	2063999.094	6352325.141	
CC ()		2083552.207	6375931.957	
CS ()	1201292.20	2058821.597	6360770.312	

Radius:	29008.25			
Delta:	37^42'31"	Left		
Degree of Curvature(Arc):	0^11'51"			
Length:	19091.51			
Tangent:	9905.93			
Chord:	18748.81			
Middle Ordinate:	1556.49			
External:	1644.74			
Tangent Direction:	S 20^46'48"	E		
Radial Direction:	S 69^13'12"	W		
Chord Direction:	S 39^38'04"	E		
Radial Direction:	S 31^30'41"	W		
Tangent Direction:	S 58^29'19"	E		
Element: Cosine				
CS ()	1201292.20	2058821.597	6360770.312	
SPI ()	1201887.07	2058510.680	6361277.457	
ST ()	1203292.49	2057817.785	6362500.358	
Entrance Radius:	29008.25			
Exit Radius:	0.00			
Length:	2000.28			
Angle:	1^58'32"	Left		
Constant:	7617.40			
Long Tangent:	1405.56			
Short Tangent:	594.87			
Long Chord:	2000.17			
Xs:	2000.07			
Ys:	20.51			
P:	3.27			
K:	1000.12			
Tangent Direction:	S 58^29'19"	E		
Radial Direction:	S 31^30'41"	W		
Chord Direction:	S 59^52'36"	E		
Radial Direction:	S 29^32'09"	W		
Tangent Direction:	S 60^27'51"	E		
Element: Linear				
ST ()	1203292.49	2057817.785	6362500.358	
TS ()	1209925.30	2054548.019	6368271.220	
Tangent Direction:	S 60^27'51"	E		
Tangent Length:	6632.81			
Element: Cosine				
TS ()	1209925.30	2054548.019	6368271.220	
SPI ()	1211119.69	2053959.225	6369310.392	
SC ()	1211625.11	2053699.867	6369744.258	
Entrance Radius:	0.00			
Exit Radius:	36491.75			
Length:	1699.81			
Angle:	1^20'04"	Right		
Constant:	7875.85			
Long Tangent:	1194.39			
Short Tangent:	505.48			
Long Chord:	1699.77			
Xs:	1699.72			
Ys:	11.77			
P:	1.87			
K:	849.90			
Tangent Direction:	S 60^27'51"	E		
Radial Direction:	S 29^32'09"	W		
Chord Direction:	S 60^04'02"	E		
Radial Direction:	S 30^52'13"	W		
Tangent Direction:	S 59^07'47"	E		
Element: Circular				
SC ()	1211625.11	2053699.867	6369744.258	
POT ()	1231891.89	2043301.055	6387139.866	
CC ()		2022377.866	6351020.474	
CS ()	1248625.13	2023037.586	6387506.261	
Radius:	36491.75			
Delta:	58^05'38"	Right		
Degree of Curvature(Arc):	0^09'25"			
Length:	37000.02			
Tangent:	20266.78			
Chord:	35435.35			
Middle Ordinate:	4589.84			
External:	5250.20			
Tangent Direction:	S 59^07'47"	E		
Radial Direction:	S 30^52'13"	W		

Chord Direction:	S	30^04'58"	E	
Radial Direction:	S	88^57'51"	W	
Tangent Direction:	S	1^02'09"	E	

Element: Cosine

CS (	)	1248625.13	2023037.586	6387506.261
SPI (	)	1249130.61	2022532.192	6387515.399
ST (	)	1250324.94	2021337.823	6387509.175
Entrance Radius:		36491.75		
Exit Radius:		0.00		
Length:		1699.81		
Angle:		1^20'04"	Right	
Constant:		7875.85		
Long Tangent:		1194.39		
Short Tangent:		505.48		
Long Chord:		1699.77		
Xs:		1699.72		
Ys:		11.77		
P:		1.87		
K:		849.90		
Tangent Direction:	S	1^02'09"	E	
Radial Direction:	S	88^57'51"	W	
Chord Direction:	S	0^05'54"	E	
Radial Direction:	N	89^42'05"	W	
Tangent Direction:	S	0^17'55"	W	

Element: Linear

ST (	)	1250324.94	2021337.823	6387509.175
TS (	)	1287873.77	1983789.506	6387313.520
Tangent Direction:	S	0^17'55"	W	
Tangent Length:		37548.83		

Element: Cosine

TS (	)	1287873.77	1983789.506	6387313.520
SPI (	)	1289489.72	1982173.570	6387305.099
SC (	)	1290173.46	1981490.279	6387275.754
Entrance Radius:		0.00		
Exit Radius:		30491.75		
Length:		2299.69		
Angle:		2^09'38"	Right	
Constant:		8373.86		
Long Tangent:		1615.96		
Short Tangent:		683.92		
Long Chord:		2299.54		
Xs:		2299.39		
Ys:		25.78		
P:		4.11		
K:		1149.82		
Tangent Direction:	S	0^17'55"	W	
Radial Direction:	N	89^42'05"	W	
Chord Direction:	S	0^56'28"	W	
Radial Direction:	N	87^32'27"	W	
Tangent Direction:	S	2^27'33"	W	

Element: Circular

SC (	)	1290173.46	1981490.279	6387275.754
POT (	)	1295112.35	1976555.929	6387063.838
CC (	)		1982798.606	6356812.085
CS (	)	1299966.20	1971940.769	6385305.140
Radius:		30491.75		
Delta:		18^24'04"	Right	
Degree of Curvature(Arc):		0^11'16"		
Length:		9792.75		
Tangent:		4938.90		
Chord:		9750.72		
Middle Ordinate:		392.29		
External:		397.40		
Tangent Direction:	S	2^27'33"	W	
Radial Direction:	N	87^32'27"	W	
Chord Direction:	S	11^39'35"	W	
Radial Direction:	N	69^08'23"	W	
Tangent Direction:	S	20^51'37"	W	

Element: Cosine

CS (	)	1299966.20	1971940.769	6385305.140
SPI (	)	1300650.12	1971301.678	6385061.603
ST (	)	1302265.89	1969814.412	6384429.654
Entrance Radius:		30491.75		
Exit Radius:		0.00		

Length:	2299.69			
Angle:	2^09'38"	Right		
Constant:	8373.86			
Long Tangent:	1615.96			
Short Tangent:	683.92			
Long Chord:	2299.54			
Xs:	2299.39			
Ys:	25.78			
P:	4.11			
K:	1149.82			
Tangent Direction:	S 20^51'37"	W		
Radial Direction:	N 69^08'23"	W		
Chord Direction:	S 22^22'43"	W		
Radial Direction:	N 66^58'45"	W		
Tangent Direction:	S 23^01'15"	W		
Element: Linear				
ST ()	1302265.89	1969814.412	6384429.654	
TS ()	1303469.74	1968706.437	6383958.868	
Tangent Direction:	S 23^01'15"	W		
Tangent Length:	1203.85			
Element: Cosine				
TS ()	1303469.74	1968706.437	6383958.868	
SPI ()	1305086.13	1967218.768	6383326.748	
SC ()	1305770.05	1966579.507	6383083.138	
Entrance Radius:	0.00			
Exit Radius:	30508.25			
Length:	2300.31			
Angle:	2^09'36"	Left		
Constant:	8377.26			
Long Tangent:	1616.40			
Short Tangent:	684.11			
Long Chord:	2300.16			
Xs:	2300.01			
Ys:	25.78			
P:	4.11			
K:	1150.13			
Tangent Direction:	S 23^01'15"	W		
Radial Direction:	N 66^58'45"	W		
Chord Direction:	S 22^22'43"	W		
Radial Direction:	N 69^08'21"	W		
Tangent Direction:	S 20^51'39"	W		
Element: Circular				
SC ()	1305770.05	1966579.507	6383083.138	
POT ()	1319680.64	1953580.786	6378129.568	
CC ()		1955715.504	6411591.500	
CS ()	1331872.95	1941316.910	6384694.775	
Radius:	30508.25			
Delta:	49^01'20"	Left		
Degree of Curvature(Arc):	0^11'16"			
Length:	26102.89			
Tangent:	13910.59			
Chord:	25313.95			
Middle Ordinate:	2749.39			
External:	3021.71			
Tangent Direction:	S 20^51'39"	W		
Radial Direction:	N 69^08'21"	W		
Chord Direction:	S 3^39'01"	E		
Radial Direction:	S 61^50'19"	W		
Tangent Direction:	S 28^09'41"	E		
Element: Cosine				
CS ()	1331872.95	1941316.910	6384694.775	
SPI ()	1332557.05	1940713.788	6385017.644	
ST ()	1334173.26	1939318.505	6385833.683	
Entrance Radius:	30508.25			
Exit Radius:	0.00			
Length:	2300.31			
Angle:	2^09'36"	Left		
Constant:	8377.26			
Long Tangent:	1616.40			
Short Tangent:	684.11			
Long Chord:	2300.16			
Xs:	2300.01			
Ys:	25.78			
P:	4.11			
K:	1150.13			

Tangent Direction:	S 28^09'41" E			
Radial Direction:	S 61^50'19" W			
Chord Direction:	S 29^40'45" E			
Radial Direction:	S 59^40'43" W			
Tangent Direction:	S 30^19'17" E			
Element: Linear				
ST ()	1334173.26	1939318.505	6385833.683	
TS ()	1338356.75	1935707.288	6387945.723	
Tangent Direction:	S 30^19'17" E			
Tangent Length:	4183.49			
Element: Cosine				
TS ()	1338356.75	1935707.288	6387945.723	
SPI ()	1339762.26	1934494.038	6388655.300	
SC ()	1340357.00	1933989.901	6388971.023	
Entrance Radius:	0.00			
Exit Radius:	33008.25			
Length:	2000.25			
Angle:	1^44'10" Left			
Constant:	8125.56			
Long Tangent:	1405.52			
Short Tangent:	594.84			
Long Chord:	2000.16			
Xs:	2000.08			
Ys:	18.02			
P:	2.87			
K:	1000.11			
Tangent Direction:	S 30^19'17" E			
Radial Direction:	S 59^40'43" W			
Chord Direction:	S 30^50'16" E			
Radial Direction:	S 57^56'33" W			
Tangent Direction:	S 32^03'27" E			
Element: Circular				
SC ()	1340357.00	1933989.901	6388971.023	
POT ()	1343805.63	1931067.129	6390801.454	
CC ()		1951509.687	6416946.042	
CS ()	1347229.33	1928585.825	6393196.492	
Radius:	33008.25			
Delta:	11^55'44" Left			
Degree of Curvature(Arc):	0^10'25"			
Length:	6872.33			
Tangent:	3448.63			
Chord:	6859.93			
Middle Ordinate:	178.69			
External:	179.66			
Tangent Direction:	S 32^03'27" E			
Radial Direction:	S 57^56'33" W			
Chord Direction:	S 38^01'19" E			
Radial Direction:	S 46^00'49" W			
Tangent Direction:	S 43^59'11" E			
Element: Cosine				
CS ()	1347229.33	1928585.825	6393196.492	
SPI ()	1347824.17	1928157.835	6393609.602	
ST ()	1349229.58	1927176.597	6394615.905	
Entrance Radius:	33008.25			
Exit Radius:	0.00			
Length:	2000.25			
Angle:	1^44'10" Left			
Constant:	8125.56			
Long Tangent:	1405.52			
Short Tangent:	594.84			
Long Chord:	2000.16			
Xs:	2000.08			
Ys:	18.02			
P:	2.87			
K:	1000.11			
Tangent Direction:	S 43^59'11" E			
Radial Direction:	S 46^00'49" W			
Chord Direction:	S 45^12'23" E			
Radial Direction:	S 44^16'39" W			
Tangent Direction:	S 45^43'21" E			
Element: Linear				
ST ()	1349229.58	1927176.597	6394615.905	
TS ()	1350370.31	1926380.214	6395432.631	
Tangent Direction:	S 45^43'21" E			

Tangent Length:		1140.73		
Element: Cosine				
TS (	)	1350370.31	1926380.214	6395432.631
SPI (	)	1351845.74	1925350.168	6396488.988
SC (	)	1352470.04	1924899.796	6396921.518
Entrance Radius:		0.00		
Exit Radius:		31991.75		
Length:		2099.73		
Angle:		1^52'49"	Right	
Constant:		8195.98		
Long Tangent:		1475.43		
Short Tangent:		624.43		
Long Chord:		2099.62		
Xs:		2099.52		
Ys:		20.49		
P:		3.26		
K:		1049.85		
Tangent Direction:		S 45^43'21"	E	
Radial Direction:		S 44^16'39"	W	
Chord Direction:		S 45^09'48"	E	
Radial Direction:		S 46^09'28"	W	
Tangent Direction:		S 43^50'32"	E	

Element: Circular				
SC (	)	1352470.04	1924899.796	6396921.518
POT (	)	1360274.26	1919271.007	6402327.308
CC (	)		1902739.901	6373847.482
CS (	)	1367779.47	1911785.224	6404533.867
Radius:		31991.75		
Delta:		27^25'07"	Right	
Degree of Curvature(Arc):		0^10'45"		
Length:		15309.43		
Tangent:		7804.22		
Chord:		15163.77		
Middle Ordinate:		911.42		
External:		938.14		
Tangent Direction:		S 43^50'32"	E	
Radial Direction:		S 46^09'28"	W	
Chord Direction:		S 30^07'59"	E	
Radial Direction:		S 73^34'34"	W	
Tangent Direction:		S 16^25'26"	E	

Element: Cosine				
CS (	)	1367779.47	1911785.224	6404533.867
SPI (	)	1368403.91	1911186.270	6404710.419
ST (	)	1369879.20	1909758.119	6405080.921
Entrance Radius:		31991.75		
Exit Radius:		0.00		
Length:		2099.73		
Angle:		1^52'49"	Right	
Constant:		8195.98		
Long Tangent:		1475.43		
Short Tangent:		624.43		
Long Chord:		2099.62		
Xs:		2099.52		
Ys:		20.49		
P:		3.26		
K:		1049.85		
Tangent Direction:		S 16^25'26"	E	
Radial Direction:		S 73^34'34"	W	
Chord Direction:		S 15^06'09"	E	
Radial Direction:		S 75^27'23"	W	
Tangent Direction:		S 14^32'37"	E	

Element: Linear				
ST (	)	1369879.20	1909758.119	6405080.921
TS (	)	1371079.26	1908596.517	6405382.272
Tangent Direction:		S 14^32'37"	E	
Tangent Length:		1200.05		

Element: Cosine				
TS (	)	1371079.26	1908596.517	6405382.272
SPI (	)	1372203.62	1907508.186	6405664.616
SC (	)	1372679.42	1907050.015	6405793.068
Entrance Radius:		0.00		
Exit Radius:		41008.25		
Length:		1600.16		
Angle:		1^07'04"	Left	

Constant:	8100.60
Long Tangent:	1124.36
Short Tangent:	475.84
Long Chord:	1600.13
Xs:	1600.11
Ys:	9.28
P:	1.48
K:	800.08
Tangent Direction:	S 14^32'37" E
Radial Direction:	S 75^27'23" W
Chord Direction:	S 14^52'33" E
Radial Direction:	S 74^20'19" W
Tangent Direction:	S 15^39'41" E

Element: Circular

SC ()	1372679.42	1907050.015	6405793.068
POT ()	1377570.75	1902340.274	6407113.490
CC ()		1918120.235	6445278.848
CS ()	1382416.09	1898073.237	6409504.633

Radius:	41008.25
Delta:	13^36'14" Left

Degree of Curvature(Arc):	0^08'23"
Length:	9736.67
Tangent:	4891.34
Chord:	9713.82
Middle Ordinate:	288.64
External:	290.68
Tangent Direction:	S 15^39'41" E
Radial Direction:	S 74^20'19" W
Chord Direction:	S 22^27'48" E
Radial Direction:	S 60^44'05" W
Tangent Direction:	S 29^15'55" E

Element: Cosine

CS ()	1382416.09	1898073.237	6409504.633
SPI ()	1382891.93	1897658.133	6409737.247
ST ()	1384016.25	1896688.190	6410305.924

Entrance Radius:	41008.25
Exit Radius:	0.00
Length:	1600.16
Angle:	1^07'04" Left

Constant:	8100.60
Long Tangent:	1124.36
Short Tangent:	475.84
Long Chord:	1600.13
Xs:	1600.11
Ys:	9.28
P:	1.48
K:	800.08

Tangent Direction:	S 29^15'55" E
Radial Direction:	S 60^44'05" W
Chord Direction:	S 30^03'02" E
Radial Direction:	S 59^37'01" W
Tangent Direction:	S 30^22'59" E

Element: Linear

ST ()	1384016.25	1896688.190	6410305.924
TC ()	1405227.24	1878390.251	6421033.990
Tangent Direction:	S 30^22'59" E		
Tangent Length:	21210.99		

Element: Circular

TC ()	1405227.24	1878390.251	6421033.990
POT ()	1406226.79	1877527.975	6421539.542
CC ()		2889951.902	8146367.589
CT ()	1407226.34	1876666.204	6422045.956

Radius:	2000008.25
Delta:	0^03'26" Left

Degree of Curvature(Arc):	0^00'10"
Length:	1999.10
Tangent:	999.55
Chord:	1999.10
Middle Ordinate:	0.25
External:	0.25
Tangent Direction:	S 30^22'59" E
Radial Direction:	S 59^37'01" W
Chord Direction:	S 30^24'42" E
Radial Direction:	S 59^33'35" W
Tangent Direction:	S 30^26'25" E

Element: Linear				
CT (	)	1407226.34	1876666.204	6422045.956
TS (	)	1427036.61	1859586.634	6432082.647
Tangent Direction:	S 30^26'25" E			
Tangent Length:	19810.27			

Element: Cosine				
TS (	)	1427036.61	1859586.634	6432082.647
SPI (	)	1428020.24	1858738.592	6432580.993
SC (	)	1428436.50	1858376.810	6432786.899
Entrance Radius:	0.00			
Exit Radius:	50491.75			
Length:	1399.89			
Angle:	0^47'39" Right			
Constant:	8407.30			
Long Tangent:	983.63			
Short Tangent:	416.27			
Long Chord:	1399.87			
Xs:	1399.86			
Ys:	5.77			
P:	0.92			
K:	699.94			
Tangent Direction:	S 30^26'25" E			
Radial Direction:	S 59^33'35" W			
Chord Direction:	S 30^12'15" E			
Radial Direction:	S 60^21'14" W			
Tangent Direction:	S 29^38'46" E			

Element: Circular				
SC (	)	1428436.50	1858376.810	6432786.899
POT (	)	1439294.10	1848940.493	6438157.513
CC (	)		1833401.531	6388904.645
CS (	)	1449825.99	1838130.617	6439174.442
Radius:	50491.75			
Delta:	24^16'19" Right			
Degree of Curvature(Arc):	0^06'49"			
Length:	21389.49			
Tangent:	10857.60			
Chord:	21229.91			
Middle Ordinate:	1128.41			
External:	1154.20			
Tangent Direction:	S 29^38'46" E			
Radial Direction:	S 60^21'14" W			
Chord Direction:	S 17^30'37" E			
Radial Direction:	S 84^37'33" W			
Tangent Direction:	S 5^22'27" E			

Element: Cosine				
CS (	)	1449825.99	1838130.617	6439174.442
SPI (	)	1450242.26	1837716.173	6439213.431
ST (	)	1451225.87	1836735.687	6439291.974
Entrance Radius:	50491.75			
Exit Radius:	0.00			
Length:	1399.89			
Angle:	0^47'39" Right			
Constant:	8407.30			
Long Tangent:	983.63			
Short Tangent:	416.27			
Long Chord:	1399.87			
Xs:	1399.86			
Ys:	5.77			
P:	0.92			
K:	699.94			
Tangent Direction:	S 5^22'27" E			
Radial Direction:	S 84^37'33" W			
Chord Direction:	S 4^48'58" E			
Radial Direction:	S 85^25'12" W			
Tangent Direction:	S 4^34'48" E			

Element: Linear				
ST (	)	1451225.87	1836735.687	6439291.974
POT (	)	1476922.54	1811121.075	6441343.864
Tangent Direction:	S 4^34'48" E			
Tangent Length:	25696.66			